

ABSTRACT

A multi-layer piezoelectric element having high durability which allows it to increase the amount of displacement of a piezoelectric actuator under high voltage and high pressure and does not undergo a change in the amount of displacement during continuous operation in a high electric field and under a high pressure over a long time period is provided.

10 The multi-layer piezoelectric element comprises a stack of at least one piezoelectric layer and a plurality of internal electrodes consisting of first and second internal electrodes placed one on another, a first external electrode formed on a first side face of the stack and connected to the first internal electrode and a second external electrode
15 formed on a second side face of the stack and connected to the second internal electrode, wherein the bonding strength between the piezoelectric layer and the internal electrode is weaker than the bending strength of the piezoelectric layer.